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XI  
INSECTA

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# XI. INSECTA

BY

THE IMPERIAL BUREAU OF ENTOMOLOGY

## FOREWORD

THE attention of readers is directed to the fact that owing to the necessity of keeping the "Insecta" part within reasonable limits, entomological papers written entirely from an economic standpoint are omitted, but abstracts of these will be found in the *Review of Applied Entomology*. Very brief systematic papers, usually those dealing only with a single species, are noticed in the systematic portion only and do not appear in the list of titles.

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## ERRATA.

- Vol. lxii, 1925, no. 1697, for "13" read "14"  
 Vol. lxiv, 1927, nos. 282, 342, 521, 618–621, 1333, 1508, 1849, 1850, 1872, 1888, 1934, 1935, 2031–2033, 2388 and 2389 for "2" read "1"  
 Vol. lxv, 1928, no. 304, for "BOTT, H. R." read "BOTT, R. H."  
 Vol. lxv, 1928, no. 977, for "regionato" read "ragionato"  
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Lec.) p. 110; *nitidulus* Mannh. (= *atratus* Lec., *puncticollis* Lec.) p. 108; *carmeli* Sw. (= *torreyanae* Sw.) p. 97; *cariniceps* Lec. (= *canadensis* Sw.) p. 72; *puberulus* Lec. (= *infans* Eichh.) p. 48 figs., BLACKMAN t.c.—*P. scriptor* p. 7, *natalis* p. 8, *liquidambarus* p. 14, spp. n. U.S.A. figs., BLACKMAN Tech. Bull. Miss. Agric. Expt. Sta. 10 1921.—*P. angeri* sp. n. Corsica p. 111 fig., PFEFFER Shornik ent. Oddél. národ. Mus. Praze 5 1927.—*P.* morphology of Swedish spp. pp. 297-303 figs., SPESSTVETSKÉ Ent. Tidskr. 50.—*P. ramipeda*, *boycei* see *Myeloborus*; *seriatus* see *Pityoborus comatus*.

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## ERRATA.

Vol. lxiv, 1927, p. 160, 2nd col., 8 lines from end, p. 164, 1st col., line 23, p. 184, 2nd col., lines 11, 22, p. 185, 1st col., line 15, p. 186, 1st col., line 18, p. 188, 2nd col., lines 9, 48, p. 193, 2nd col., line 13, p. 195, 1st col., lines 3, 18, 31 & 2nd col., last line, p. 196, 1st col., line 22 & last line, p. 197, 2nd col., line 10 & p. 199, 2nd col., line 3 for "2" read "1"

Vol. lxiv, 1927, p. 169, 1st col. for "*Anisopsis*" read "*Anisopsis*"

Vol. lxiv, 1927, p. 181, 2nd col., lines 20, 32 for "PIC" read "D'ORCHYMONT"

Vol. lxv, 1928, p. 168, 2nd col. transfer "*Deronectes*" to DYTISCIDAE.

Vol. lxv, 1928, p. 177, 2nd col., line 17, insert *Stichodonia* before "p. 20"; line 18 insert *Platydonia*, *Thoracadonia* before "p. 21"

Vol. lxv, 1928, p. 187, 2nd col. transfer "*Mauroniscus*" to MELYRIDAE.

Vol. lxv, 1928, pp. 195, 2nd col., line 4 & 196, 2nd col., line 33 for "*Cisseiodes*" read "*Cisseoides*"

Vol. lxv, 1928, p. 224 for "*Emphytroecia*" read "*Emphytoecia*"

Vol. lxv, 1928, p. 229, 2nd col. for "*Oethispa*" read "*Octhispa*"





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*Bombycopsis das* sp. n. Abyssinia p. 490 fig., HERING t.c.

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*Cosmotriche paleacea* ab. n. *postulkae* Moravia p. 317, SKALA Ent. Z. 42.

*Craspia wahlbergi* subsp. n. *anagna* Africa; *rhypara* sp. n. German E. Africa p. 488 fig., HERING Mitt. zool. Mus. Berlin 14 1928.

*Dendrolimus pini* colour variation p. 153, gynandromorph p. 171, biological notes p. 180 figs., KUNTZE & POLUZYNSKI Bull. int. Acad. Cracovie B. 1928.—*D. albolineatus* f. n. *tomaiensis* Kuriles p. 166, MATSUMURA Ins. mats. 3.

*Epicnaptera tremulifolia* ab. n. *fulvescens* Galicia p. 6, KLEMENSIEWICZ Spraw. Kom. fizyogr. Krakow 46 1912.—*E. arborea* biology pp. 29-30, FRINGS Soc. ent. 44; bred pp. 219-221, NADBYL Ent. Z. 43.

*Eriogaster catax* ab. n. *auriflua* Austria p. 105, SCHAWERDA Z. öst. EntVer. 14.

*Estigena silvestris* sp. n. Congo p. 1 fig., STRAND Lep. Niepelt. Nachtr. 1918.

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*Lasiocampa trifolii* subsp. n. *samnitica* Montagra Grande p. 103, DANNEHL Mitt. münchn. ent. Ges. 19.—*L. grandis* biology p. 211 figs., PRONIN Ent. Anz. 9.

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*Malacosoma franconica* biology p. 307, LOMMATZSCH Ent. Z. 42.—*M. franconica panormitana* biology p. 26, FRINGS Soc. ent. 44.

*Mallocampa cornutiventris* sp. n. Nyasaland p. 211 figs., TAMS Ann. Mag. N. H. (10) 3.

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*Odontocheilopteryx phoneus* sp. n. Spanish Guinea p. 489, HERING t.c.—*O. similis* sp. n. Kamerun p. 150, TAMS Ann. Mag. N. H. (10) 3.

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*Aleyda* gen. n. for *Cicinnus accipiter* Dogn. p. 641, SCHAUS t.c.

*Alheita* gen. n. for *Cicinnus anoca* Schs.; *cymbelina* p. 668, *rionica* p. 666, spp. n. Amazons figs., SCHAUS t.c.

*Bedosia* gen. n. for *Cicinnus fraterna* Schs. p. 657, SCHAUS t.c.

*Biterolfia* gen. n. for *Cicinnus althea* Schs. p. 666, SCHAUS t.c.

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- Aulacodes eupselias* sp. n. Marquesas Is. p. 161, MEYRICK t.c.—*A. peribocalis* morphology, biology immature stages pp. 353–356 figs., PRUTHI Rec. Ind. Mus. 30 1928.—*A.* sp. larva, pupa pp. 207–211 figs. [in Japanese], IWATA Trans. N. H. Soc. Formosa 19.—*A. navalis* see *Nymphula corculina*.
- Bocchoris albipunctalis* sp. n. Bonin Is. p. 112, SHIBUYA Ins. mats. 3.
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- Bradinomorpha* nom. nud. p. 514, MATSUMURA Injur. Insects Jap. Emp. 1920.
- Bradyrrhoa trapezella*, *cinerella* distinct spp. pp. 67–73, DE JOANNIS Bull. Soc. ent. Fr. 1929.
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- Cornifrons ulceratalis* early stages pp. 301–306; f. n. *unicoloralis* Algeria p. 303, DUMONT Bull. Soc. ent. Fr. 1929.
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#### ERRATA.

Vol. lxiii, 1926, p. 259, 2nd col. for "*Trichiura*" read "*Trichura*"

Vol. lxiii, 1926, p. 296 for "*Cullama*" read "*Culama*" and transfer to TER-  
GRIDAE.

Vol. lxiii, 1926, p. 303, 1st col. for "*Costantia*" read "*Constantia*"

Vol. lxiv, 1927, p. 228, 1st col., 2 lines from end, p. 230, 1st col., lines 22, 49,  
p. 236, 1st col., line 30 & 2nd col., line 13, p. 237, 2nd col., lines 23, 31, & p. 240,  
2nd col., line 25 for "2" read "1"

Vol. lxiv, 1927, p. 246, 2nd col. for "*Thalatta*" read "*Thalatha*"

Vol. lxv, 1928, p. 243, 2nd col. for "*Pereunte*" read "*Pereute*"

Vol. lxv, 1928, p. 265, 2nd col. for "*Dilophopes*" read "*Dilophodes*"

Vol. lxv, 1928, p. 271, 1st col. transfer "*Archaeobalbis*" to GEOMETRIDAE.

Vol. lxv, 1928, p. 273, 2nd col. *Arniocera* is a Charideid.

Vol. lxv, 1928, p. 281, 2nd col. for "*Batrachedra*" read "*Batrachedra*"

Vol. lxv, 1928, p. 284, 1st col. transfer *Neopseustis* to MICROPTERYGIDAE.

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*baleina* p. 399, *archanensis* p. 409, *jasnitzkii* p. 401, *belikovi* p. 402, *universitatis* p. 403 Siberia, *irana* p. 392 (10) 3, *timberlakei* p. 300 (10) 4 U.S.A. spp. n., COCKERELL Ann. Mag. N.H.—*A. callopyrrha* p. 205, *mimetes* p. 206, spp. n. China, COCKERELL Entomologist 62.—*A. viridibasis*, *speculifera* p. 444, *adjuncta*, *heterura* p. 445, *platyrhina* p. 446, *tardula* p. 447, spp. n. Colorado, COCKERELL J. N.Y. Ent. Soc. 37.—*A. albicans* gynandromorph p. 38 fig., CRÈVECOEUR & WALSCHÉ Bull. Ann. Soc. ent. Belg. 69.—*A. confalonieri* sp. n. Cyrenaica p. 410, GUIGLIA Ann. Mus. Genoa 53.—*A. eburneoclypeata* sp. n. Turkestan p. 268, LEBEDEV Konowia 8.

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*Anthophora fulleri* sp. n. S. Africa p. 30 fig., BRAUNS Z. wiss. InsektBiol. 24.—*A. insularis pendleburyi* n. n. for var. *pahangensis* Ckll. nec Meade-Waldo p. 285, COCKERELL Entomologist 62.—*A. subignava* sp. n. Colorado p. 443, COCKERELL J. N. Y. Ent. Soc. 37.—*A. vigilans* var. n. *mcnamarae* New Guinea p. 232, COCKERELL Rec. Aust. Mus. 17.—*A. guigliae* sp. n. Cyrenaica p. 314 DUSMET Ann. Mus. Genoa 53.—*A. synonymical* notes pp. 65–71, *furcata caucasica* n. n. for *furcata caucasica* Fr.; f. f. n. *atrata* Turkestan p. 68; *aestivalis* subsp. n. *baicalensis* Annam p. 70, HEDICKE Deuts. ent. Z. 1929.—*A. abrupta* habits, biology pp. 156–169 figs., RAU Psyche 36.

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# ERRATA.

Vol. liv, 1917, p. 137, 1st col., under *Sympiesis* insert "*ancylae* sp. n. U.S.A. p. 448" after "p. 447"; 2nd col. under *Thripocentrus* delete *ancylae*, etc.; delete entry under *Trididymus* and insert after "24" under *Trydymus* "*T. aureipes*, *biguttatipennis* p. 449, *aphidis* p. 450, spp. n. U.S.A., GIRAULT Proc. U. S. Nat. Mus. 55."

Vol. lxiii, 1926, p. 354, 1st col., for "*Chelonogasta*" read "*Chelonogastra*"

Vol. lxiii, 1926, p. 397, 2nd col., insert "*Lauxania carbonaria* see *Poecilohetaerella bilineata*"

Vol. lxiii, 1926, p. 398, 1st col., line 30 for "*Tasmania*" read "*Lauxania*"

Vol. lxiii, 1926, p. 398, 2nd col., delete "*Tasmania carbonaria*" etc.

Vol. lxiv, 1927, p. 292, 2nd col., 3 lines from end, p. 313, 2nd col., line 20, p. 316, 1st col., last line, p. 329, 2nd col., line 36, p. 336, 1st col., lines 31, 37, p. 338, 1st col., lines 13, 52, and p. 358, 2nd col., line 38, for "2" read "1"

Vol. lxv, 1928, p. 297, 2nd col., for "*Pterombus*" read "*Pterombrus*"

Vol. lxv, 1928, p. 309, 1st col., for "*Asyncta*" read "*Asynacta*"

Vol. lxv, 1928, p. 344, 2nd col., for "*Antipalpus*" read "*Antipalus*"

Vol. lxv, 1928, p. 352, 2nd col., transfer "*Dischistus*" to BOMBYLIIDAE.

Vol. lxv, 1928, p. 356, 1st col., transfer "*Chrysomyza*" and "*Cliochochia*," also p. 357, 2nd col., "*Polphopsis*" to ORTALIDAE.





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*Betacixius* gen. n., *ocellatus* (type) p. 412, *clypealis* p. 415 (with var. n. *vittifrons* p. 416), *brunneus*, *rinkihonis* p. 417 Formosa, *tonkinensis* China p. 413, *obliquus* p. 414 (with var. n. *pallens*), *kumejimae* p. 415 Japan spp. n., MATSUMURA t.c.

*Brixia harimaensis* p. 431 Japan, *formosana* p. 432, *ocellata* p. 433 Formosa, spp. n., MATSUMURA t.c.

*Cixius bicolor* p. 395, *arisanus* p. 396, *ibukisanus* p. 397, *tappanus*, *kuyanianus* p. 398, *hachijonis* p. 399, *kommonis* p. 400, *suturalis*, *nitobei* p. 401, *velox* p. 403, *pilosellus*, *flavescens* p. 405, *hopponis* p. 406 Formosa, *nawae*, *towadensis* p. 402, *cingulatus* p. 403, *hakonensis* p. 404, *centralis* p. 405 Japan, spp. n. figs., MATSUMURA t.c.

*Duilius seticulosus* var. n. *punctata* Cyrenaica p. 160, LALLEMAND Ann. Mus. Genova 53.

*Kuvera flaviceps* varr. n. *curvata*, *vittata* p. 408, *costalis*, *fumata*, *pallidula*; *ligustri* p. 409 Japan, *toroensis*, *tappanella* p. 410, *longipennis* p. 411 spp. n. Formosa figs., MATSUMURA Annot. zool. jap. 8 1914.

*Macrocixius* gen. n. p. 393, *giganteus* sp. n. Japan p. 394 figs., MATSUMURA t.c.

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*boninensis* p. 423, *artemisiae* p. 428, *kagoshimensis* p. 429 Japan, spp. n., MATSUMURA Annot. zool. jap. 8 1914.

*Trirhacus iguchii* sp. n. Japan p. 407, MATSUMURA t.c.

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*Chloriona snelli*, *turneri* p. 204, *longispinus* p. 206, spp. n. Africa figs., MUIR Ann. Mag. N. H. (10) 4.

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*Delphacinus lukjanovitshi* sp. n. Transbaikal p. 157 fig., KUZNETZOV Wien. ent. Ztg. 46.—*D. putoni* see *Delphacellus*.

*Delphacodes darwini* p. 78, *chiloensis* p. 79 Chile, *correntosoensis* p. 80, *argentiniensis* p. 82, *haywardi* p. 83 Argentina (10) 3, *hargreavesi*, *hessei* p. 214, *complexa* p. 215, *ceresensis* p. 216, *parvistylus* p. 217, *longispinus* p. 219 Africa, spp. n. (10) 4, figs., MUIR Ann. Mag. N. H.

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*Dicranotropis turneri* p. 199, *stramineus* p. 200, spp. n. Africa figs., MUIR t.c.

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*Eumetopina straminea* p. 196, *hancocki* p. 197, spp. n. Africa figs., MUIR Ann. Mag. N. H. (10) 4.

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(with var. n. *securidacae* p. 355), monotes p. 357 spp. n.; *rhodesiensis* var. n. *umtali* p. 352 S. Rhodesia; *gowdeyi* Newst. (= *Hemiberlesea fissidens* var. *constricta* Malen.) p. 356 figs., HALL t.c.—*A. palmae* Morg. & Ckll. (= *unguiculatus* Leon.); *subchortinus* Jamaica p. 486, *kiritchenkoi* Odessa p. 487, *andersoni* Kenya p. 489, spp. n. figs., LAING Ann. Mag. N. H. (10) 4.—*A. hederæ* parthenogenesis pp. 232-236, SCHRADER Psyche 36.—*A. sinaiticus* sp. n. Sinai p. 106 figs., BODENHEIMER Ergebn. Sinai-Exped. 1927 1929.

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#### ERRATA.

Vol. lxii, 1925, p. 373, 1st col., line 6, for "13" read "14"

Vol. lxiii, 1926, p. 431, 1st col., line 15, delete "(type)"

Vol. lxiv, 1927, p. 370, 2nd col., 7 lines from end, p. 375, 2nd col., 10 lines from end, p. 390, 1st col., line 13, p. 392, 1st col., line 20, p. 400, 2nd col., line 37, p. 404, 1st col., line 33, and p. 416, 1st col., line 36, for "2" read "1"

Vol. lxiv, 1927, p. 392, 1st col., line 22, for "2" read "11"



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